

AMENDMENTS TO THE SPECIFICATION

Lines 11-13 of page 15 have been amended as follows:

Synthesis of graft copolymers ~~(a-2)-(a-5)~~ ~~(a-2)-(a-4)~~ and (r-1)-(r-5)

Graft copolymers ~~(a-2)-(a-5)~~ ~~(a-2)-(a-4)~~ and (r-1)-(r-5) were synthesized as described above for the synthesis of graft copolymer (a-1).

Lines 27-31 of page 15 have been canceled.

From Table 1, graft copolymers a-5 and a-8 are eliminated. Thus, amended Table 1 will appear as follows:

Table 1 (amended)

| Kind of graft copolymer and salt | First process | | | | | Second process | Third Process |
|----------------------------------|--------------------------------|---|-------------------------------|---------------------|-------|---|---|
| | Molar % of monomers | | | | WAMW | Polyether compound of Formula 2 (kind/*1) | Kind of basic compound for neutralization |
| | Maleic anhydride (molar %) (1) | Monomer of Formula 1 (kind/molar %) (2) | Other monomers (kind/molar %) | Molar ratio (1)/(2) | | | |
| a-1 | 60 | d-1 / 40 | | 60/40 | 28000 | f-1 / 3.0 | |
| a-2 | 60 | d-2 / 40 | | 60/40 | 42300 | f-2 / 1.5 | |
| a-3 | 60 | d-3 / 40 | | 60/40 | 15000 | f-1 / 0.3 | |
| a-4 | 60 | d-4 / 40 | | 60/40 | 33400 | f-1 / 0.8 | |
| a-6 | 60 | d-1 / 40 | | 60/40 | 28000 | f-1 / 3.0 | *2 |
| a-7 | 60 | d-3 / 40 | | 60/40 | 15000 | f-1 / 0.3 | *2 |
| r-1 | 60 | d-1 / 40 | | 60/40 | 15000 | f-1 / 0.01 | |
| r-2 | 60 | d-1 / 40 | | 60/40 | 15000 | f-1 / 10 | |
| r-3 | 60 | d-3 / 40 | | 60/40 | 28000 | fr-1 / 3.0 | |
| r-4 | 50 | d-4 / 40 | e-1 / 10 | 55/45 | 31000 | fr-2 / 3.0 | |
| r-5 | 60 | dr-1 / 40 | | 60/40 | 82000 | f-2/ 2.5 | |

Line 16 of page 16 has been canceled.

Lines 6-9 of page 17 have been amended as follows:

Test Examples ~~2-15~~ 2-4, 6, 7, 9-11, 14 and 15 and Comparison Examples 1-13

Admixtures ~~(P-2)-(P-15)~~ (P-2)-(P-4), (P-6), (P-7), (P-9)-(P-11), (P-14) and (P-15) as Test Examples ~~2-15~~ 2-4, 6, 7, 9-11, 14 and 15 and admixtures (R-1)-(R-13) as Comparison Examples 1-13 were prepared as described above for the preparation of admixture (R-1) as Test Example 1.

From Table 2, Test Examples 5, 8, 12 and 13 are eliminated. Thus, amended Table 2 will appear as follows:

Table 2 (Amended)

| | Kind | Component A (kind/ratio(part)) | Component B (kind/ratio(part)) | Component C (kind/ratio(part)) | Others (kind/ratio(part)) |
|---------------------|------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------|
| Test Example: | | | | | |
| 1 | P-1 | a-1 / 50 | b-1 / 49 | c-1 / 1 | |
| 2 | P-2 | a-2 / 50 | b-1 / 49 | c-1 / 1 | |
| 3 | P-3 | a-3 / 50 | b-1 / 49 | c-1 / 1 | |
| 4 | P-4 | a-4 / 50 | b-1 / 49 | c-1 / 1 | |
| 6 | P-6 | a-6 / 50 | b-1 / 49 | c-1 / 1 | |
| 7 | P-7 | a-7 / 50 | b-1 / 49 | c-1 / 1 | |
| 9 | P-9 | a-1 / 50 | b-2 / 48.7 | c-2 / 1.3 | |
| 10 | P-10 | a-2 / 25 | b-3 / 72.8 | c-2 / 2.2 | |
| 11 | P-11 | a-3 / 25 | b-4 / 74 | c-2 / 1 | |
| 14 | P-14 | a-1 / 75 | b-1 / 23.7 | c-1 / 1.3 | |
| 15 | P-15 | a-1 / 25 | b-1 / 74.5 | c-1 / 0.5 | |
| Comparison Example: | | | | | |
| 1 | R-1 | | b-1 / 49.9 | c-1 / 0.1 | r-1 / 50 |
| 2 | R-2 | | b-2 / 47 | c-1 / 3 | r-2 / 50 |
| 3 | R-3 | | b-2 / 49.8 | c-2 / 0.2 | r-3 / 50 |
| 4 | R-4 | | b-3 / 49.8 | c-2 / 0.2 | r-4 / 50 |
| 5 | R-5 | | b-3 / 49.5 | c-3 / 0.5 | r-5 / 50 |
| 6 | R-6 | a-1 / 97 | b-1 / 2 | c-1 / 1 | |
| 7 | R-7 | a-1 / 10 | b-1 / 89.5 | c-1 / 0.5 | |
| 8 | R-8 | a-1 / 5 | b-2 / 94.2 | c-2 / 0.8 | |
| 9 | R-9 | a-1 / 50 | b-1 / 49.5 | | *3 / 0.5 |
| 10 | R-10 | a-1 / 50 | b-2 / 43 | c-1 / 7 | |
| 11 | R-11 | | | c-1 / 1 | *4 / 99 |
| 12 | R-12 | | b-2 / 49.7 | c-2 / 0.3 | *4 / 50 |
| 13 | R-13 | | | c-1 / 1.5 | *5 / 98.5 |

Lines 7-10 of page 18 have been canceled.

From Table 4, Test Examples 20, 23, 27 and 28 are eliminated. Thus, amended Table 4 will appear as follows:

Table 4 (amended)

| | Admixture | | Property of concrete | | | | |
|----------------------------|-----------|--------------------|----------------------------|------------------|------------------|------------------|----------------|
| | Kind | Added amount *6 | Immediately after kneading | | 90 minutes later | | Slump loss (%) |
| | | | Slump (cm) | Air quantity (%) | Slump (cm) | Air quantity (%) | |
| Test Example: | | | | | | | |
| 16 | P-1 | 0.34 | 18.6 | 4.7 | 15.9 | 4.6 | 85.5 |
| 17 | P-2 | 0.46 | 18.3 | 4.5 | 17.0 | 4.7 | 92.9 |
| 18 | P-3 | 0.40 | 18.3 | 4.4 | 15.1 | 4.3 | 80.3 |
| 19 | P-4 | 0.42 | 18.5 | 4.7 | 17.3 | 4.4 | 93.5 |
| 21 | P-6 | 0.35 | 18.5 | 4.8 | 16.0 | 4.5 | 86.5 |
| 22 | P-7 | 0.41 | 18.6 | 4.5 | 15.2 | 4.3 | 81.7 |
| 24 | P-9 | 0.35 | 18.4 | 4.5 | 16.0 | 4.7 | 87.0 |
| 25 | P-10 | 0.92 | 18.6 | 4.8 | 16.8 | 4.3 | 90.3 |
| 26 | P-11 | 0.80 | 18.5 | 4.6 | 15.2 | 4.4 | 82.2 |
| 29 | P-14 | 0.23 | 18.5 | 4.5 | 15.7 | 4.2 | 84.9 |
| 30 | P-15 | 0.70 | 18.8 | 4.7 | 16.0 | 4.5 | 85.1 |
| Comparison Example: | | | | | | | |
| 14 | R-1 | 0.32 | 18.4 | 4.6 | 14.0 | 4.2 | 76.1 |
| 15 | R-2 | 0.38 | 18.6 | 4.4 | 12.0 | 4.0 | 64.5 |
| 16 | R-3 | 0.44 | 18.5 | 4.5 | 13.5 | 4.4 | 73.0 |
| 17 | R-4 | 0.46 | 18.7 | 4.7 | 14.5 | 4.5 | 77.5 |
| 18 | R-5 | 0.71 | 18.1 | 4.5 | 8.5 | 4.1 | 47.0 |
| 19 | R-6 | 0.18 | 18.2 | 4.4 | 14.5 | 4.2 | 79.7 |
| 20 | R-7 | 1.70 | 18.4 | 4.7 | 13.3 | 4.1 | 72.3 |
| 21 | R-8 | 3.40 | 18.2 | 4.8 | 11.5 | 4.3 | 63.2 |
| 22 | R-9 | 0.34 | 18.5 | 4.8 | 14.9 | 4.1 | 81.4 |
| 23 | R-10 | 0.30 | 18.9 | 8.9 | 13.0 | 6.5 | 68.8 |
| 24 | R-11 | 0.20 | 18.7 | 4.4 | 14.8 | 4.2 | 79.1 |
| 25 | R-12 | 0.40 | 18.5 | 4.5 | 14.6 | 4.1 | 78.9 |
| 26 | R-13 | 0.52 | 18.2 | 4.8 | 7.9 | 4.2 | 43.4 |

From Table 5, Test Examples 20, 23, 27 and 28 are eliminated. Thus, amended Table 5 will appear as follows:

Table 5 (amended)

| | Properties of admixture | | | | |
|--------------------------------|---|--|--|-------------------------|------------------|
| | Shrinkage ($\times 10^{-4}$) at 26 weeks | Durability against freezing and thawing action (300 cycles) | Accelerated carbonation depth (mm) | Compressive strength | |
| | | | | Age = 7 days | Age = 28 days |
| Test Example: | | | | | |
| 16 | 5.2 | 96 | 10.8 | 36.3 | 49.2 |
| 17 | 5.3 | 98 | 10.8 | 36.5 | 49.4 |
| 18 | 5.1 | 92 | 10.7 | 35.1 | 48.0 |
| 19 | 5.2 | 95 | 10.8 | 36.5 | 49.0 |
| 21 | 5.2 | 96 | 10.8 | 36.4 | 49.2 |
| 22 | 5.1 | 95 | 10.7 | 35.3 | 48.2 |
| 24 | 5.3 | 94 | 10.8 | 36.8 | 50.3 |
| 25 | 4.8 | 91 | 10.6 | 35.2 | 48.4 |
| 26 | 4.9 | 92 | 10.7 | 35.0 | 48.1 |
| 29 | 5.5 | 97 | 10.9 | 36.6 | 49.6 |
| 30 | 4.9 | 95 | 10.9 | 35.4 | 48.5 |
| Comparison Example: | | | | | |
| 14 | 5.4 | 52 | 12.1 | 34.1 | 47.5 |
| 15 | 5.5 | 55 | 12.3 | 34.3 | 47.7 |
| 16 | 5.4 | 48 | 12.1 | 33.6 | 47.0 |
| 17 | 5.9 | 35 | 12.6 | 33.9 | 47.2 |
| 18 | 6.0 | 46 | 12.4 | 34.3 | 47.8 |
| 19 | 7.1 | 94 | 14.0 | 36.2 | 49.0 |
| 20 | 6.2 | 65 | 10.8 | 33.5 | 45.2 |
| 21 | 6.5 | 60 | 10.7 | 32.0 | 42.9 |
| 22 | 5.3 | Less than 30 | 10.9 | 36.0 | 49.1 |
| 23 | *7 | *7 | *7 | 29.4 | 40.2 |
| 24 | 7.5 | 88 | 14.2 | 36.2 | 49.0 |
| 25 | 7.0 | Less than 30 | 12.8 | 34.5 | 48.0 |
| 26 | 7.7 | 91 | 14.5 | 34.9 | 48.3 |